

2-Amino-1-naphthalenesulfonic acid  
81-16-3 | DTXSID7020922

Model Performance

|       |      |
|-------|------|
| Model | Data |
|-------|------|

Weighted KNN model

| 5-fold CV (75%) |      | Training (75%) |      | Test (25%) |      |
|-----------------|------|----------------|------|------------|------|
| Q2              | RMSE | R2             | RMSE | R2         | RMSE |
| 0.85            | 0.69 | 0.86           | 0.67 | 0.86       | 0.78 |

## Model Results

**Predicted value:** -0.766

**Global applicability domain:** Inside

**Local applicability domain index:** 5.60e-01

**Confidence level:** 5.00e-01

## Nearest Neighbors from the Training Set

Image not found

2-Amino-1-naphthalenesulfonic acid

**Measured:** -1.16

**Predicted:** -0.766

Image not found

2-Naphthalenesulfonic acid, 1-amino-

**Measured:** -0.970

**Predicted:** -0.767

Image not found

4-Amino-1-naphthalenesulfonic acid sodium salt

**Measured:** -2.34

**Predicted:** -1.01

Image not found

1-Naphthalenesulfonic acid, 5-hydroxy-

**Measured:** -0.170

**Predicted:** -0.435

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Phenol, 4-[(4-aminophenyl)sulfonyl]-

**Measured:** 1.57

**Predicted:** -0.400